

ABSTRACT

Method for detecting binding events using micro-X-ray fluorescence spectrometry.

5 Receptors are exposed to at least one potential binder and arrayed on a substrate support. Each member of the array is exposed to X-ray radiation. The magnitude of a detectable X-ray fluorescence signal for at least one element can be used to determine whether a binding event between a binder and a receptor has occurred, and can provide information related to the extent of binding between the binder

10 and receptor.

CONFIDENTIAL